STR-D360Z/DE315/DE415

SERVICE MANUAL

US Model
Canadian Model
STR-D360Z/DE315/DE415
Australian Model
STR-DE315/DE415
E Model
Chinese Model
STR-DE315

Photo : STR-DE315 model

Manufactured under license from Dolby Laboratories Licensing Corporation.
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SPECIFICATIONS

Audio power specifications (US only)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 8-ohm load, both channels driven, from 20 - 20,000 Hz, rated 100 watts (STR- DE415/ D360Z), or 60 watts (STR- D315) per channel minimum RMS power, with no more than 0.09 % total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Stereo mode (8 ohms at 20 Hz 20 kHz less than 0.09% total harmonic distortion)
100W + 100W (STR- DE415/ D360Z)
60W + 60W (STR-DE315)

Surround mode (8 ohms at 1 kHz, THD 0.8 %)
Front:
STR-DE415 /D360Z: 100 W/ch
STR-DE315: 60 W/ch
Center: (Pro Logic Mode)
STR-DE415 /D360Z: 100 W
STR-DE315: 60 W
Rear:
STR-DE415 /D360Z: 100 W
STR-DE315: 60 W

5.1/DVD* mode (8 ohm at 1 KHz, THD 0.8%)
Front: 100W/ch
Center: 100W/ch
Rear: 50W/ch

Dynamic power output
8 ohms:
STR-DE415 /D360Z: 145 W + 145 W
STR-DE315: 100 W + 100 W
4 ohms:
STR-DE415 /D360Z: 190 W + 190 W
STR-DE315: 145 W + 145 W

Frequency response PHONO**: RIAA equalization curve ±0.5 dB
TV/DBS, CD, TAPE/ MD, VIDEO, 5.1/ DVD*
10 Hz - 50 kHz ±1 dB

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO** (MM)	2.5 mV	50 kilohms	74 dB 72 dB* (A, 2.5 mV)
CD, 5.1/DVD*	200 mV		
TAPE/MD, TV/ DBS, VIDEO	150 mV	50 kilohms	82 dB 82 dB* (A, 150 mV)

* '78 IHF

Outputs TAPE/MD REC OUT: Voltage 150 mV, Impedance 10 kilohms
VIDEO AUDIO OUT: Voltage 150 mV, Impedance 10 kilohms
PHONES: Accepts low and high impedance headphones

Muting Full mute

BASS BOOST +10 dB at 70 Hz

TONE ±8 dB at 100 Hz and 10 kHz

FM tuner section

Tuning range 87.5 - 108.0 MHz

Antenna terminals 75 ohms, unbalanced
300 ohms, balanced (US, Canadian model)
75 ohms, unbalanced (EXCEPT model)

Sensitivity Mono: 18.3 dBf, 4.5 µV
Stereo: 38.3 dBf, 45 µV

Usable sensitivity 11.2 dBf, 2 µV (IHF)

S/N Mono: 76 dB
Stereo: 70 dB

Harmonic distortion at Mono: 0.3 %
Stereo: 0.5 %

1 KHz Seperation 45 dB at 1 kHz

Frequency response 30 Hz - 15 kHz $^{+0.5}_{-2}$ dB

Selectivity 60 dB at 400 kHz

AM tuner section

Tuning range
US , Canadian MODEL:
530 - 1710 kHz (10kHz STEP)
Australian, Singapore, Malaysia, Chinese MODEL:
531 - 1602 kHz (9 kHz STEP)
E, PX, Saudi Arabia MODEL:
531-1602kHz (9kHz STEP)
530-1620kHz (10kHz STEP)

— Continued on next page —

FM STEREO/FM-AM RECEIVER

MICROFILM

SONY®

Antenna	Loop antenna
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5 % (50 mV/m, 400 Hz)
Selectivity	At 9 kHz: 35 dB At 10 kHz: 40 dB

Video section

Inputs	VIDEO, TV/DBS, 5.1/DVD*: 1 Vp-p 75 ohms
Outputs	VIDEO: 1 Vp-p 75 ohms MONITOR: 1 Vp-p 75 ohms

General

System	Tuner section: PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complimentary SEPP
Power requirements	US, Canadian : 120 V AC, 60 Hz E, SaudiArabia, PX : 120/220/240V AC, 50/60Hz Australian : 240 V AC, 50/60 Hz Singapore, Malaysia, Chinese : 230V AC, 50/60Hz
Power consumption	STR-DE415/D360Z (US): 190 W STR-D315 (US): 150 W
AC outlets	US, Canadian : 1 switched, total 120 W/1A Max EXCEPT : 1 switched, total 100 W
Dimensions	17 x 5 7/8 x 11 5/8 inches (430 x 148 x 295 mm)
Mass (Approx.)	6.5 kg (14 lb 5 oz)
Supplied accessories	FM wire antenna (1) AM loop antenna (1) Remote controller (remote) (1) Size AA (R6) batteries (2)

* 5.1/DVD is for STR-DE515/D460Z only.
** except STR-DE315 (US, Canadian)
Design and specifications are subject to change without notice.

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SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer: Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.

2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

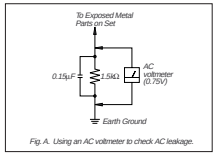
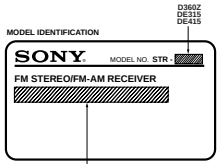


Fig. A. Using an AC voltmeter to check AC leakage.

MODEL IDENTIFICATION



US, Canadian model : AC 120V 60Hz
Australian model : AC 240V ~50/60Hz
E model : AC 120, 220, 240V selectable ~50/60Hz
Singapore, Malaysia,
Chinese model : AC 230V ~50/60Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUB-LISHED BY SONY.

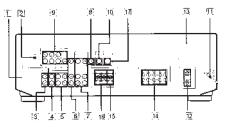
ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

SECTION 1
GENERAL

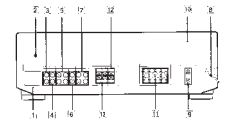
LOCATION AND FUNCTION OF CONTROLS

STR-DE415/DE315



1 ANTENNA (AM/FM)
2 FM GND terminal
3 PHONES
4 CD
5 TAPE/MD
6 TV/DBS
7 VIDEO
8 MCD/LD/DVD
9 SLEEP/DVD (Audio/Video) (STR-DE415 only)
10 MIX OUT (Audio Only) (STR-DE415 only)
11 AC power cord
12 SWITCHED AC OUTLET (US model)
13 SWITCHED AC OUTLET (SOFT)
14 FRONT SPEAKERS (A/B)
15 SURROUND SPEAKER (CENTER)
16 SURROUND SPEAKERS (REAR)
17 WIRELESS REAR SPEAKERS (Optional)

STR-DE315



1 ANTENNA (AM/FM)
2 AM ground terminal
3 PHONES
4 CD
5 TAPE/MD
6 TV/DBS
7 VIDEO
8 AC power cord
9 SWITCHED AC OUTLET (US model)
10 SWITCHED AC OUTLET (SOFT)
11 FRONT SPEAKERS (A/B)
12 SURROUND SPEAKER (CENTER)
13 SURROUND SPEAKERS (REAR)

SECTION 2
EXPLANATION OF IC TERMINALS

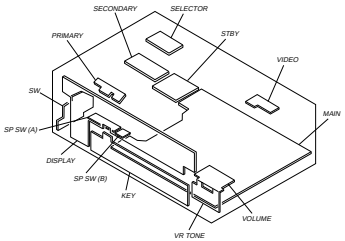
• IC201 µPD78044FGF-041-3B9

Pin No.	Pin Name	I/O	Description
1	DIG7	O	Fluorescent indicator tube drive.
2	DIG6	O	
3	DIG5	O	
4	DIG4	O	
5	DIG3	O	
6	DIG2	O	
7	DIG1	O	
8	+5V	—	Power supply (+5V).
9	S. CLK	I	System clock.
10	S. DATA	I	System data.
11	PLL. DATA	I	PLL data input from TU001.
12	S. CE (LC7288)	O	Chip enable output.
13	S. CE (LV100)	O	Chip enable output.
14	REARRY	—	Not used.
15	BRIDGE CABLE	—	Not used. (Open)
16	PROTECT	I	Protector detect input.
17	RESET	I	System reset terminal.
18	AUTO-STOP	I	Auto stop detect input.
19	STEREO-IN	I	Stereo detect input.
20	AVss	—	Ground.
21	SP-RY	O	Speaker relay drive.
22	SURR-RY	O	Surround Relay.
23	POWER-RY	O	Power relay drive.
24	Not used	—	Not used.
25	SIGNAL	I	A/D signal input terminal.
26	A/D3	I	A/D3 key input terminal.
27	A/D2	I	A/D2 key input terminal.
28	A/D1	I	A/D1 key input terminal.
29	AVDD	—	Power supply (+5V).
30	AV. REF	—	Reference voltage (+5V).
31	GND	—	Ground.
32	NC	—	Not used (Open).
33	Vss	—	Ground.
34	X1	—	System clock (4.19MHz).
35	X2	—	System clock (4.19MHz).
36	IC. MUTE	O	Mute drive output for µPD2581V (IC701).
37	PROLOGIC	O	Prologic LED.
38	CSTUDIO	O	CINEMA STUDIO LED.
39	HALL	O	HALL LED.
40	T. MUTE	O	Tuner mute drive output.

Pin No.	Pin Name	I/O	Description
41	VOLUME UP	O	Volume up.
42	VOLUME DOWN	O	Volume down.
43	STANDBY	O	Standby LED drive.
44	SYS. POWER	I	System power ON/OFF.
45	RDS. DATA. IN	I	RDS data input. (AEP, SP, MY, CH model)
46	RDS. CLK. IN	I	RDS clock input. (AEP, SP, MY, CH model)
47	STOP	I	Stop signal input from NJM2103D (IC950).
48	Vss	—	Ground.
49	SIRCS	I	Sircs signal input.
50	POWER SW	I	Power switch input terminal.
51	5.1ch LED	—	Not used.
52	+5V	—	Power supply (+5V).
53	BASS BOOST	—	Bass boost LED drive.
54	FUNC. MUTE	O	Line mute drive.
55	SL MUTE	—	Not used.
56	VERSION	I	Input for model select.
57	K14	I	Key in 4.
58	K13	I	Key in 3.
59	K12	I	Key in 2.
60	K11	I	Key in 1.
61	SR MUTE	—	Not used.
62	S15	O	Key out 1
63	S14	O	Key out 2
64	S13	O	Key out 3
65	S12	O	Key out 4
66	S11	O	Fluorescent indicator tube drive.
67	S10	O	
68	S9	O	
69	S8	O	
70	S7	O	
71	VLOAD	—	Connect to –24V.
72	S6	O	Fluorescent indicator tube drive.
73	S5	O	
74	S4	O	
75	S3	O	
76	S2	O	
77	S1	O	
78	DIG10	O	Fluorescent indicator tube drive.
79	DIG9	O	
80	DIG8	O	

SECTION 3
DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION

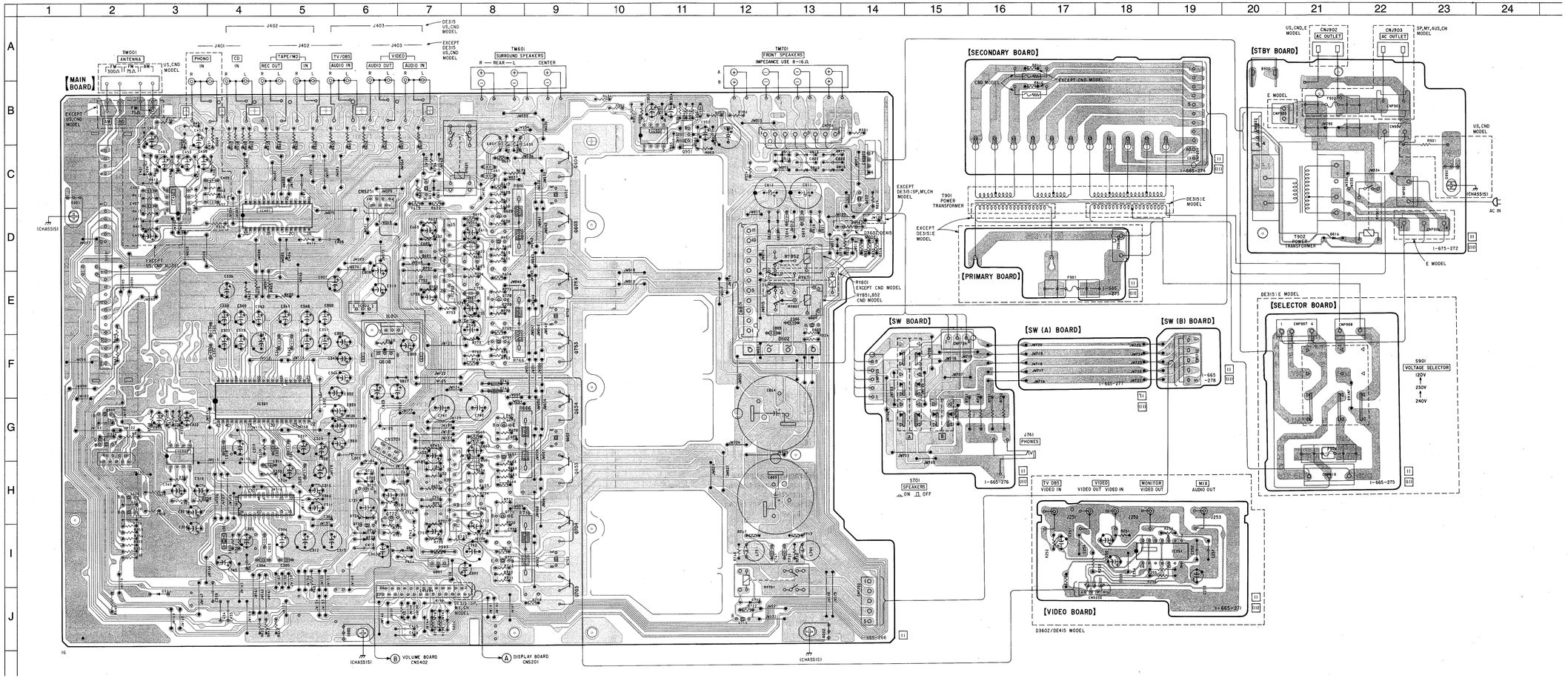


• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D610	C-7	Q303	H-2
D710	J-12	Q304	G-2
D721	H-6	Q307	G-2
D722	H-6	Q308	H-2
D723	I-6	Q601	D-8
D724	H-6	Q602	C-9
D725	I-6	Q603	D-9
D801	I-7	Q604	C-9
D802	F-13	Q610	C-7
D804	J-7	Q620	D-8
D810	C-13	Q651	G-8
D811	C-13	Q652	G-9
D812	C-13	Q653	H-9
D813	C-13	Q654	G-9
D814	C-13	Q670	G-8
D815	C-13	Q701	I-8
D816	D-21	Q702	I-9
D817	F-7	Q703	J-9
D818	D-13	Q704	I-9
D820	D-13	Q710	J-12
D821	D-13	Q720	H-8
D822	D-12	Q721	H-6
D823	D-13	Q722	H-6
D901	J-13	Q723	I-6
		Q751	F-8
IC251	I-19	Q752	E-9
IC300	H-4	Q753	F-9
IC301	G-4	Q754	E-9
IC302	G-3	Q770	E-8
IC401	D-4	Q801	I-7
IC402	C-3	Q802	C-14
IC701	H-7	Q808	F-6
IC702	E-7	Q809	E-13
IC801	E-6	Q951	C-11
IC802	E-6		
IC950	B-11		

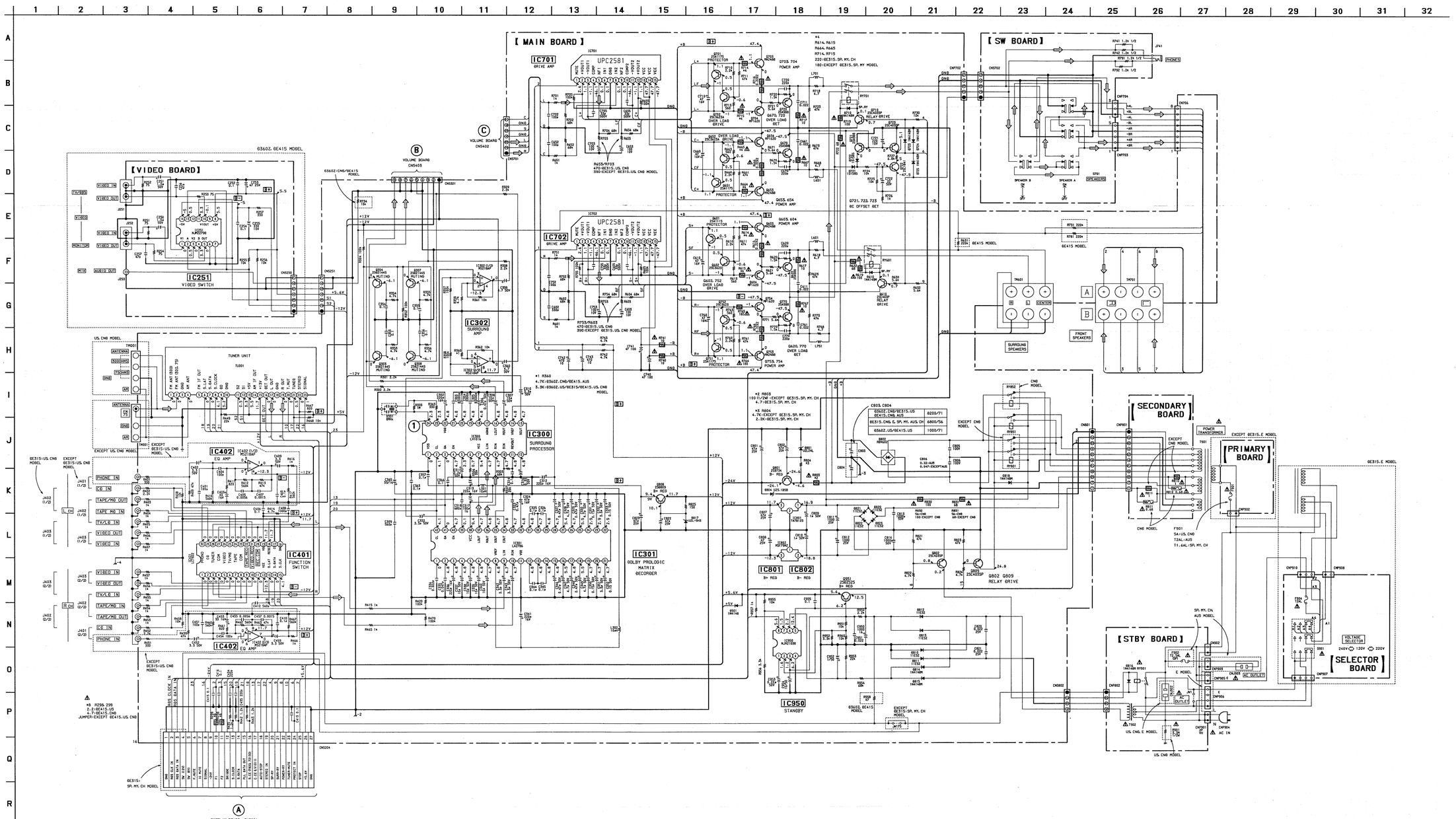
Note:
- ⟵ : Parts extracted from the component side.
- ═══ : Pattern on the side which is seen.
- Abbreviation
  SP : Singapore
  MY : Malaysia
  AUS : Australian
  CND : Canadian
  CH : Chinese

3-2. PRINTED WIRING BOARDS (MAIN SECTION)

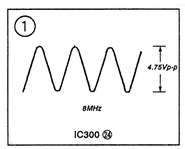


3-3. SCHEMATIC DIAGRAM (MAIN SECTION)

• Refer to page 17 for IC Block Diagrams.



• Waveforms



Note:
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : Internal component.
- B+ : B+ Line.
- B- : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  No mark: FM
  ( ) : AM
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ➪ : FM
- Abbreviation
  SP : Singapore
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  AUS : Australian
  CND : Canadian
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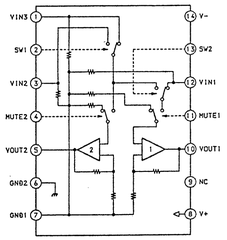
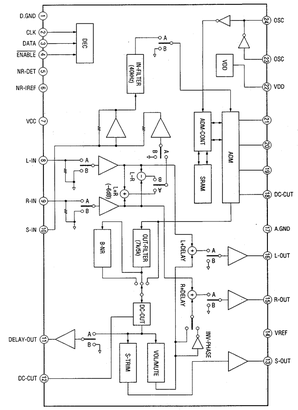
Note :	Note :
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifie.

• IC BLOCK DIAGRAMS — MAIN SECTION —

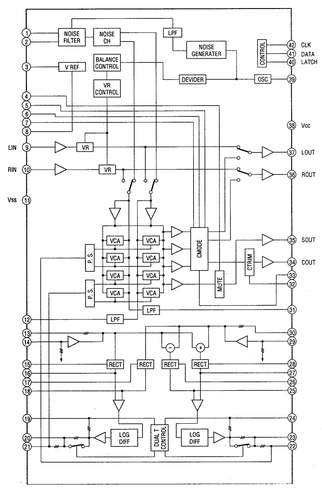
IC251 NJM2279D



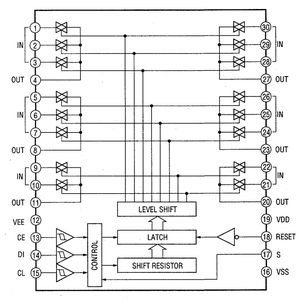
IC300 LV1016



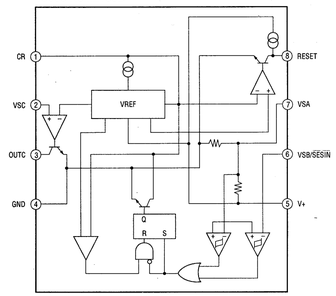
IC301 LA2786



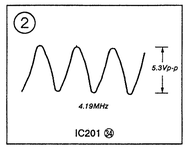
IC401 LC7822



IC950 NJM2103D

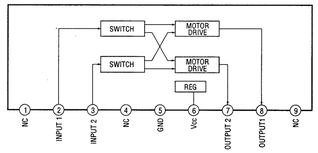


• Waveforms



• IC BLOCK DIAGRAM — DISPLAY SECTION —

IC202 BA6208



Note:

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- All resistors are in Ω and 1/4W or less unless otherwise specified.
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- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path. ⇨ : FM

- Abbreviation
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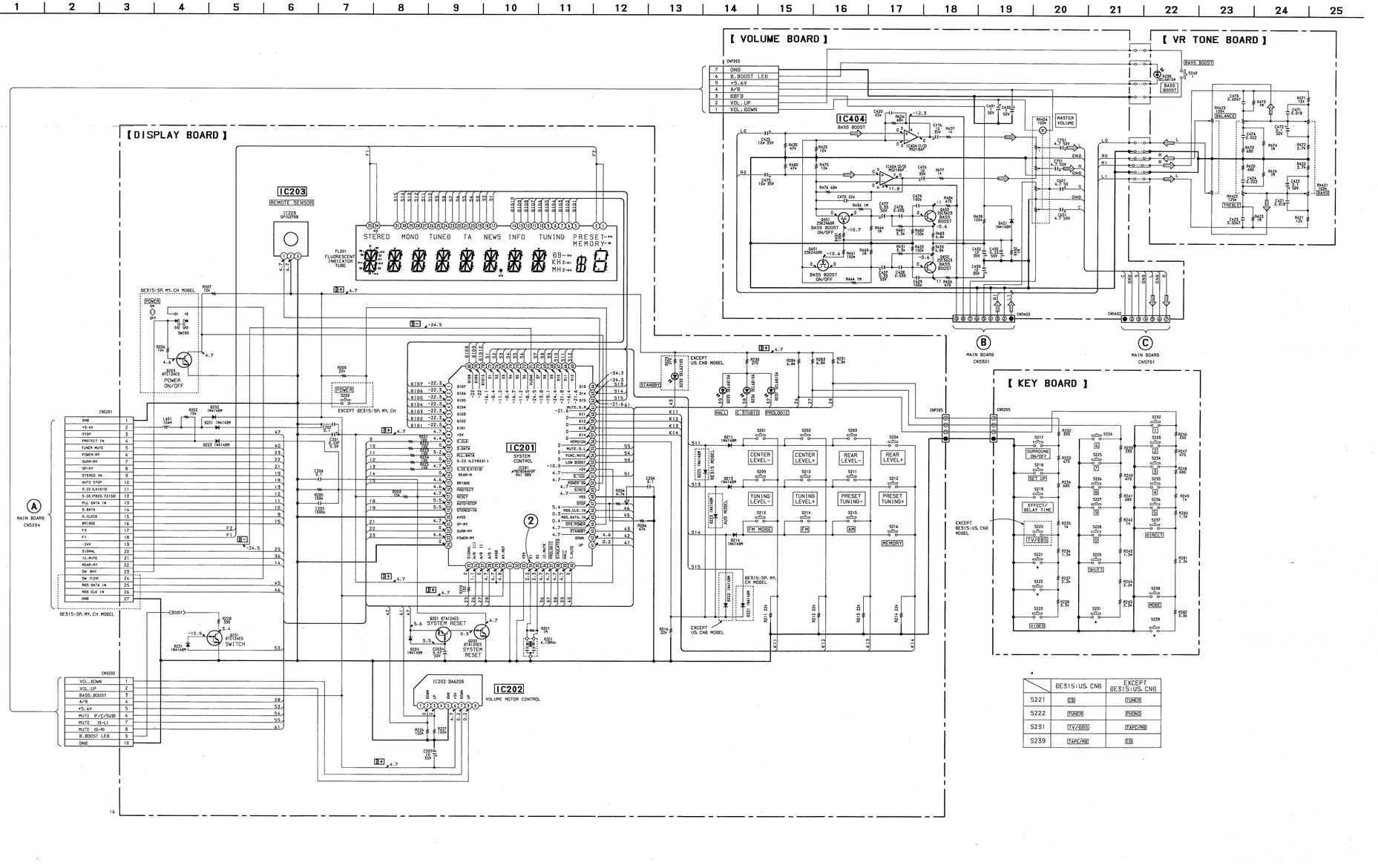
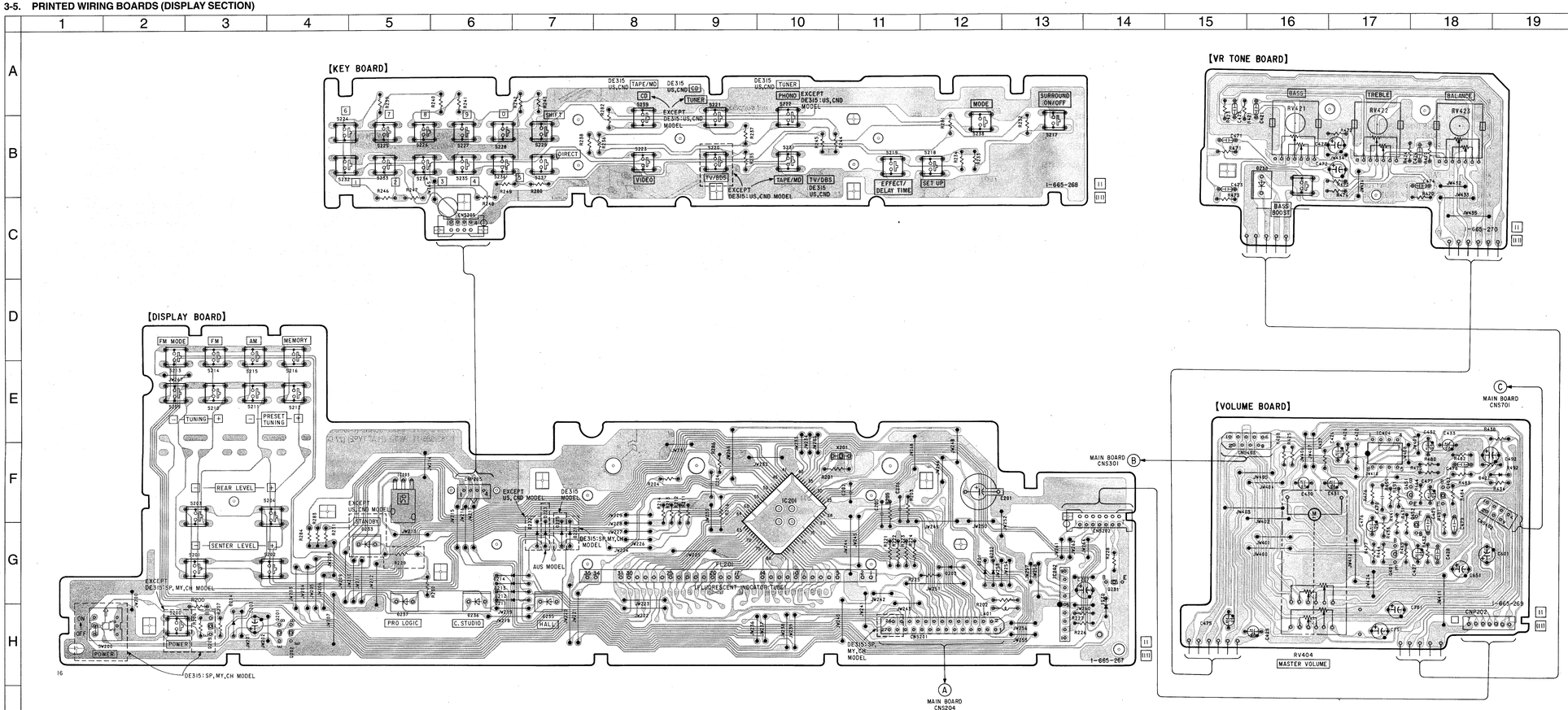
  CH : Chinese

3-4. SCHEMATIC DIAGRAM (DISPLAY SECTION)



	DE315:US, CND	EXCEPT DE315:US, CND
S221	CD	TUNER
S222	TUNER	PHONO
S231	TV/DBS	TAPE/MD
S239	TAPE/MD	CD

3-5. PRINTED WIRING BOARDS (DISPLAY SECTION)



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D201	G-12	D238	B-16
D202	G-12	D421	F-18
D203	G-12		
D204	G-3	IC201	F-10
D211	G-6	IC202	G-13
D212	G-6	IC203	F-5
D213	G-6	IC404	E-17
D214	G-6		
D221	G-7	Q201	H-4
D222	G-7	Q202	H-4
D223	F-9	Q203	H-3
D225	H-7	Q231	G-13
D231	G-13	Q401	G-7
D233	G-5	Q402	F-18
D235	G-7	Q451	F-17
D236	H-6	Q452	F-18
D237	H-5		

Note:
- ⟵ : Parts extracted from the component side.
- ▭ : Pattern on the side which is seen.
- Abbreviation
  SP : Singapore
  MY : Malaysia
  AUS : Australian
  CND : Canadian
  CH : Chinese

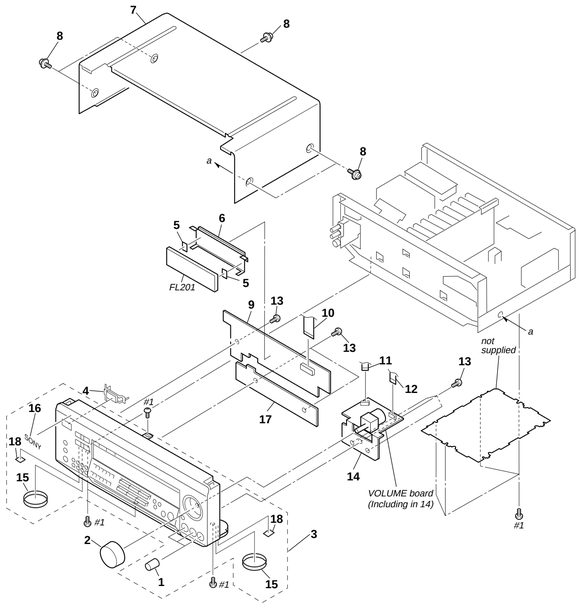
SECTION 4
EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (#mark) list is given in the last of this parts list.
- Abbreviation
  SP : Singapore AUS : Australian
  CH : Chinese CND : Canadian
  MY : Malaysia

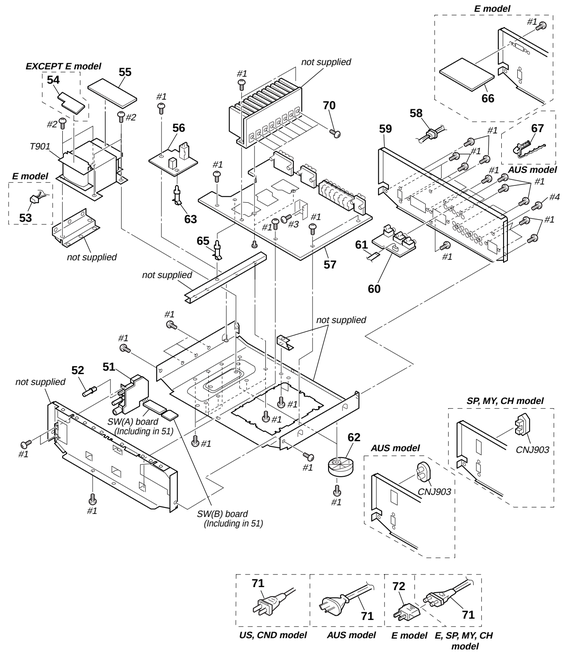
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifie.

4-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remarks
1	4-980-639-01	KNOB (R14)	
2	X-4946-873-1	KNOB (R48) ASSY	
3	X-4948-337-1	PANEL ASSY, FRONT (DE315:US,CND)	
3	X-4948-338-1	PANEL ASSY, FRONT (DE415:US,CND)	
3	X-4948-369-1	PANEL ASSY, FRONT (DE415:AUS)	
3	X-4948-371-1	PANEL ASSY, FRONT (D360Z)	
3	X-4948-372-1	PANEL ASSY, FRONT (DE315:AUS)	
3	X-4948-373-1	PANEL ASSY, FRONT (DE315:SP,MY,CH)	
3	X-4948-473-1	PANEL ASSY, FRONT (DE315:E)	
4	4-980-109-01	BUTTON (P-M) (DE315:SP,MY,CH)	
4	4-989-843-01	BUTTON (P-T) (EXCEPT DE315:SP,MY,CH)	
* 5	4-921-941-01	CUSHION (FL)	
* 6	4-943-107-12	HOLDER (FL TUBE)	
* 7	4-980-658-01	CASE (413226)	
8	3-704-366-01	SCREW (CASE) (M3X8)	
* 9	A-4392-786-A	DISPLAY BOARD, COMPLETE (D360Z/DE415:US,CND)	
* 9	A-4392-795-A	DISPLAY BOARD, COMPLETE (DE315:US,CND)	
* 9	A-4392-987-A	DISPLAY BOARD, COMPLETE (DE415:AUS)	
* 9	A-4392-993-A	DISPLAY BOARD, COMPLETE (DE315:AUS)	
* 9	A-4392-995-A	DISPLAY BOARD, COMPLETE (DE315:SP,MY,CH)	
* 9	A-4392-997-A	DISPLAY BOARD, COMPLETE (DE315:E)	
10	1-782-084-11	WIRE (FLAT TYPE) (23 CORE) (D360Z/DE315:US,CND,E,AUS/DE415)	
11	1-782-075-11	WIRE (FLAT TYPE) (9 CORE)	
12	1-782-074-11	WIRE (FLAT TYPE) (7 CORE)	
13	4-951-620-01	SCREW (2.6X8), +BVTP	
* 14	A-4392-788-A	VR-TONE BOARD, COMPLETE	
15	4-977-593-11	RING (DIA. 50), ORNAMENTAL (DE315:E,SP,MY,AUS,CH/DE415:AUS)	
16	3-008-600-11	EMBLEM (5-AR), SONY	
* 17	A-4392-790-A	KEY BOARD, COMPLETE (EXCEPT DE315:US,CND)	
* 17	A-4392-811-A	KEY BOARD, COMPLETE (DE315:US,CND)	
18	4-977-358-11	CUSHION (8X12.5)	
FL201	1-517-141-11	INDICATOR TUBE, FLUORESCENT	

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remarks
* 51	A-4392-789-A	SW BOARD, COMPLETE	
52	4-951-801-01	BUTTON (S)	
53	1-769-746-61	LEAD (WITH CONNECTOR) (2 CORE)(DE315:E)	
* 54	1-665-273-11	PRIMARY BOARD (D360Z/DE315:US,CND,SP,MY,AUS,CH/DE415)	
* 55	1-665-274-11	SECONDARY BOARD	
* 56	1-665-272-11	STBY BOARD	
* 57	A-4392-794-A	MAIN BOARD, COMPLETE (DE415:US)	
* 57	A-4392-810-A	MAIN BOARD, COMPLETE (DE315:US)	
* 57	A-4392-986-A	MAIN BOARD, COMPLETE (DE415:CND)	
* 57	A-4392-989-A	MAIN BOARD, COMPLETE (DE415:AUS)	
* 57	A-4392-991-A	MAIN BOARD, COMPLETE (D360Z:US)	
* 57	A-4392-992-A	MAIN BOARD, COMPLETE (DE315:CND)	
* 57	A-4392-994-A	MAIN BOARD, COMPLETE (DE315:AUS)	
* 57	A-4392-996-A	MAIN BOARD, COMPLETE (DE315:SP,MY,CH)	
* 57	A-4392-999-A	MAIN BOARD, COMPLETE (DE315:E)	
* 57	A-4398-840-A	MAIN BOARD, COMPLETE (D360Z:CND)	
* 58	3-703-244-00	BUSHING (2104), CORD	
* 59	4-989-901-01	PANEL, BACK (DE315:US)	
* 59	4-989-901-11	PANEL, BACK (DE315:CND)	
* 59	4-989-901-21	PANEL, BACK (DE315:AUS)	
* 59	4-989-901-31	PANEL, BACK (DE315:E)	
* 59	4-989-901-41	PANEL, BACK (DE315:SP,MY,CH)	
* 59	4-989-902-01	PANEL, BACK (DE415:US)	
* 59	4-989-902-11	PANEL, BACK (DE415:CND)	
* 59	4-989-902-21	PANEL, BACK (DE415:AUS)	
* 59	4-989-902-41	PANEL, BACK (D360Z)	
* 60	1-665-271-11	VIDEO BOARD (D360Z/DE415)	
61	1-782-086-11	WIRE (FLAT TYPE) (27 CORE)(DE315:SP,MY,CH)	
62	X-4947-207-1	FOOT ASSY (F50150S) (DE315:E,SP,MY,AUS,CH/DE415:AUS)	
62	X-4947-208-1	FOOT ASSY (F50150S) (D360Z/DE315:US,CND/DE415:US,CND)	
* 63	4-924-098-01	HOLDER, PC BOARD	
* 65	4-924-098-21	HOLDER, PC BOARD	
* 66	1-665-275-11	SELECTOR BOARD (DE315:E)	
67	4-956-370-12	BAND, PLUG FIXED (DE315:AU/DE415:AUS)	
70	3-905-609-01	SCREW (TRANSISTOR)	
71	1-696-847-11	CORD, POWER (AUS)	
71	1-777-070-11	CORD, POWER (US,CND)	
71	1-777-071-11	CORD, POWER (E,SP,MY,CH)	
⚠ 72	1-569-008-21	ADAPTOR, CONVERSION 2P (E)	
⚠CNJ903	1-526-794-11	OUTLET, A.C.(SP,MY,CH)	
⚠CNJ903	1-251-416-11	OUTLET, A.C.(AUS)	
⚠ T901	1-431-258-11	TRANSFORMER, POWER (DE315:US)	
⚠ T901	1-431-259-11	TRANSFORMER, POWER (DE315:CND)	
⚠ T901	1-431-260-11	TRANSFORMER, POWER (DE315:SP,MY,CH)	
⚠ T901	1-431-261-11	TRANSFORMER, POWER (DE315:AUS)	
⚠ T901	1-431-262-11	TRANSFORMER, POWER (DE315:E)	
⚠ T901	1-431-263-11	TRANSFORMER, POWER (DE315:US/DE415:US)	
⚠ T901	1-431-264-11	TRANSFORMER, POWER (D360Z:CND/DE415:CND)	
⚠ T901	1-431-265-11	TRANSFORMER, POWER (DE415:AUS)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifie.

SECTION 5
ELECTRICAL PARTS LIST

DISPLAY

NOTE:

When indicating parts by reference number, please include the board naame.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifie.

SP : Singapore MY : Malaysia
AU : Australian CND : Canadian
CH : Chinese

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:
  uF: µF
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA...: µA... , uPA... , µPA... ,
  uPB... , µPB... , uPC... , µPC... ,
  uPD..., µPD...

Ref. No.	Part No.	Description			Remarks
*	A-4392-786-A	DISPLAY BOARD, COMPLETE (D360/DE415:			
		**********			US,CND)
*	A-4392-795-A	DISPLAY BOARD, COMPLETE (DE315:US,CND)			
		**********			
*	A-4392-997-A	DISPLAY BOARD, COMPLETE (DE315:E)			
		**********			
*	A-4392-993-A	DISPLAY BOARD, COMPLETE (DE315:AUS)			
		**********			
*	A-4392-987-A	DISPLAY BOARD, COMPLETE (DE415:AUS)			
		**********			
*	A-4392-995-A	DISPLAY BOARD, COMPLETE (DE315:SP,MY,CH)			
		**********			
		< CAPACITOR >			
C201	1-104-905-11	CAPACITOR	0.22F		5.5V
C202	1-164-159-11	CERAMIC	0.1uF		50V
C203	1-124-465-00	ELECT	0.47uF	20%	50V
C204	1-164-159-11	CERAMIC	0.1uF		50V
C205	1-162-294-31	CERAMIC	0.001uF	10%	50V
C206	1-164-159-11	CERAMIC	0.1uF		50V
C207	1-126-096-11	ELECT	10uF	20%	35V
		< CONNECTOR >			
CNP205	1-779-366-11	CONNECTOR, BOARD TO BOARD 4P			
CNS201	1-569-327-11	SOCKET, CONNECTOR 27P (DE315:SP,MY,CH)			
CNS201	1-568-742-11	SOCKET, CONNECTOR 23P			
		(D360Z/DE315:US,CND,E,AUS/DE415)			
CNS202	1-770-400-11	HOUSING, CONNECTOR (PC BOARD)7P			
		< DIODE >			
D201	8-719-987-63	DIODE 1N4148M			
D202	8-719-987-63	DIODE 1N4148M			
D203	8-719-987-63	DIODE 1N4148M			
D204	8-719-987-63	DIODE 1N4148M			
D211	8-719-987-63	DIODE 1N4148M			
D212	8-719-987-63	DIODE 1N4148M			
D213	8-719-987-63	DIODE 1N4148M			
D214	8-719-987-63	DIODE 1N4148M			
D221	8-719-987-63	DIODE 1N4148M (DE315:SP,MY,CH)			
D222	8-719-987-63	DIODE 1N4148M			
		(DE315:E,SP,MY,AUS,CH/DE415:AUS)			
D223	8-719-987-63	DIODE 1N4148M (DE315:AUS/DE415:AUS)			
D225	8-719-987-63	DIODE 1N4148M (DE315)			
D231	8-719-987-63	DIODE 1N4148M			
D233	8-719-313-48	DIODE SEL6210S-TH12			
		(DE315:E,SP,MY,AUS,CH/DE415:AUS)			
D235	8-719-313-50	DIODE SEL6810A-TH12(HALL)			
D236	8-719-313-50	DIODE SEL6810A-TH12(C.STUD10)			
D237	8-719-313-50	DIODE SEL6810A-TH12(PRO LOGIC)			

Ref. No.	Part No.	Description			Remarks
		< FILTER >			
FL201	1-517-141-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC201	8-759-462-31	IC uPD78044FGF-041-3B9			
IC202	8-759-962-08	IC BA6208			
IC203	8-759-332-18	IC GP1U27XB(REMOTE SENSOR)			
		< COIL >			
L401	1-410-509-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q201	8-729-900-63	TRANSISTOR DTA124ES			
Q202	8-729-900-36	TRANSISTOR DTC124ES			
Q203	8-729-900-36	TRANSISTOR DTC124ES (DE315:SP,MY,CH)			
Q231	8-729-900-36	TRANSISTOR DTC124ES			
		< RESISTOR >			
R200	1-249-433-11	CARBON	22K	5%	1/4W
R201	1-247-903-00	CARBON	1M	5%	1/4W
R202	1-249-429-11	CARBON	10K	5%	1/4W
R203	1-249-429-11	CARBON	10K	5%	1/4W
R204	1-249-425-11	CARBON	4.7K	5%	1/4W F
R205	1-249-441-11	CARBON	100K	5%	1/4W
R206	1-249-429-11	CARBON	10K	5%	1/4W
					(DE315:SP,MY,CH)
R207	1-249-429-11	CARBON	10K	5%	1/4W
R211	1-249-433-11	CARBON	22K	5%	1/4W
R212	1-249-433-11	CARBON	22K	5%	1/4W
R213	1-249-433-11	CARBON	22K	5%	1/4W
R214	1-249-433-11	CARBON	22K	5%	1/4W
R216	1-249-433-11	CARBON	22K	5%	1/4W
R221	1-247-807-31	CARBON	100	5%	1/4W
R222	1-247-807-31	CARBON	100	5%	1/4W
R223	1-247-807-31	CARBON	100	5%	1/4W
R224	1-247-807-31	CARBON	100	5%	1/4W
R225	1-247-807-31	CARBON	100	5%	1/4W
R226	1-249-441-11	CARBON	100K	5%	1/4W
R227	1-249-441-11	CARBON	100K	5%	1/4W
R228	1-249-412-11	CARBON	390	5%	1/4W F
R229	1-249-410-11	CARBON	270	5%	1/4W F
			(DE315:E,SP,MY,AUS,CH/DE415:AUS)		
R230	1-249-410-11	CARBON	270	5%	1/4W F
R231	1-249-427-11	CARBON	6.8K	5%	1/4W F
R283	1-249-427-11	CARBON	6.8K	5%	1/4W F
R284	1-249-427-11	CARBON	6.8K	5%	1/4W F
R286	1-249-437-11	CARBON	47K	5%	1/4W

DISPLAY KEY MAIN

Ref. No.	Part No.	Description	Remarks
		< SWITCH >	
S200	1-762-751-11	SWITCH, TACTILE (POWER) (D360Z/DE315:US,CND,E,AUS/DE415)	
S201	1-762-751-11	SWITCH, TACTILE (CENTER LEVEL–)	
S202	1-762-751-11	SWITCH, TACTILE (CENTER LEVEL+)	
S203	1-762-751-11	SWITCH, TACTILE (REAR LEVEL–)	
S204	1-762-751-11	SWITCH, TACTILE (REAR LEVEL+)	
S209	1-762-751-11	SWITCH, TACTILE (TUNING –)	
S210	1-762-751-11	SWITCH, TACTILE (TUNING +)	
S211	1-762-751-11	SWITCH, TACTILE (PRESET TUNING –)	
S212	1-762-751-11	SWITCH, TACTILE (PRESET TUNING+)	
S213	1-762-751-11	SWITCH, TACTILE (FM MODE)	
S214	1-762-751-11	SWITCH, TACTILE(FM)	
S215	1-762-751-11	SWITCH, TACTILE(AM)	
S216	1-762-751-11	SWITCH, TACTILE(MEMORY)	
SW200	1-771-054-11	SWITCH, PUSH (1 KEY)(POWER) (DE315:SP,MY,CH)	
		< VIBRATOR >	
X201	1-577-101-11	VIBRATOR, CERAMIC 4.19MHz	
**********			
*	A-4392-790-A	KEY BOARD, COMPLETE (D360Z/DE315:E,SP, ********** MY,AUS,CH/DE415)	
*	A-4392-811-A	KEY BOARD, COMPLETE (DE315:US,CND) **********	
		< CONNECTOR >	
CNS205	1-770-397-11	HOUSING, CONNECTOR(PC BOARD)4P	
		< RESISTOR >	
R232	1-249-411-11	CARBON 330 5% 1/4W	
R233	1-249-413-11	CARBON 470 5% 1/4W F	
R234	1-249-415-11	CARBON 680 5% 1/4W F	
R235	1-249-417-11	CARBON 1K 5% 1/4W F	
R236	1-249-419-11	CARBON 1.5K 5% 1/4W F	
R237	1-249-421-11	CARBON 2.2K 5% 1/4W F	
R238	1-247-843-11	CARBON 3.3K 5% 1/4W	
R239	1-249-411-11	CARBON 330 5% 1/4W	
R240	1-249-413-11	CARBON 470 5% 1/4W F	
R241	1-249-415-11	CARBON 680 5% 1/4W F	
R242	1-249-417-11	CARBON 1K 5% 1/4W F	
R243	1-249-419-11	CARBON 1.5K 5% 1/4W F	
R244	1-249-421-11	CARBON 2.2K 5% 1/4W F	
R245	1-247-843-11	CARBON 3.3K 5% 1/4W	
R246	1-249-411-11	CARBON 330 5% 1/4W	
R247	1-249-413-11	CARBON 470 5% 1/4W F	
R248	1-249-415-11	CARBON 680 5% 1/4W F	
R249	1-249-417-11	CARBON 1K 5% 1/4W F	
R280	1-249-419-11	CARBON 1.5K 5% 1/4W F	
R281	1-249-421-11	CARBON 2.2K 5% 1/4W F	
R282	1-247-843-11	CARBON 3.3K 5% 1/4W	
		< SWITCH >	
S217	1-762-751-11	SWITCH, TACTILE (SURROUND ON/OFF)	
S218	1-762-751-11	SWITCH, TACTILE (SET UP)	
S219	1-762-751-11	SWITCH, TACTILE (EFFECT/DELAY TIME)	
S220	1-762-751-11	SWITCH, TACTILE (TV/DBS) (D360Z/DE315:E,SP,MY,AUS,CH/DE415)	
S221	1-762-751-11	SWITCH, TACTILE (TUNER)	
S222	1-762-751-11	SWITCH, TACTILE (PHONO)	
S223	1-762-751-11	SWITCH, TACTILE (VIDEO)	
S224	1-762-751-11	SWITCH, TACTILE (6)	
S225	1-762-751-11	SWITCH, TACTILE (7)	
S226	1-762-751-11	SWITCH, TACTILE (8)	
S227	1-762-751-11	SWITCH, TACTILE (9)	
S228	1-762-751-11	SWITCH, TACTILE (0)	
S229	1-762-751-11	SWITCH, TACTILE (SHIFT)	
S231	1-762-751-11	SWITCH, TACTILE (TAPE/MD)	
S232	1-762-751-11	SWITCH, TACTILE (1)	
S233	1-762-751-11	SWITCH, TACTILE (2)	
S234	1-762-751-11	SWITCH, TACTILE (3)	
S235	1-762-751-11	SWITCH, TACTILE (4)	
S236	1-762-751-11	SWITCH, TACTILE (5)	
S237	1-762-751-11	SWITCH, TACTILE (DIRECT)	
S238	1-762-751-11	SWITCH, TACTILE (MODE)	
S239	1-762-751-11	SWITCH, TACTILE (CD)	
**********			
*	A-4392-991-A	MAIN BOARD, COMPLETE (D360Z:US) **********	
	A-4398-840-A	MAIN BOARD, COMPLETE (D360Z:CND) **********	
*	A-4392-810-A	MAIN BOARD, COMPLETE (DE315:US) **********	
*	A-4392-992-A	MAIN BOARD, COMPLETE (DE315:CND) **********	
*	A-4392-999-A	MAIN BOARD, COMPLETE (DE315:E) **********	
*	A-4392-996-A	MAIN BOARD, COMPLETE (DE315:SP,MY,CH) **********	
*	A-4392-994-A	MAIN BOARD, COMPLETE (DE315:AUS) **********	
*	A-4392-794-A	MAIN BOARD, COMPLETE (DE415:US) **********	
*	A-4392-986-A	MAIN BOARD, COMPLETE (DE415:CND) **********	
*	A-4392-989-A	MAIN BOARD, COMPLETE (DE415:AUS) **********	
	3-905-609-01	SCREW (TRANSISTOR)	
	4-812-134-00	RIVET (DIA. 3.5), NYLON	
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-T2	
	7-685-872-09	SCREW +BVTT 3X8 (S)	
		< CAPACITOR >	
C302	1-126-934-11	ELECT 220uF 20% 16V	
C303	1-130-494-11	MYLAR 0.082uF 5% 50V	
C304	1-137-367-11	FILM 0.0033uF 5% 50V	
C305	1-130-494-11	MYLAR 0.082uF 5% 50V	
C306	1-126-959-11	ELECT 0.47uF 20% 50V	
C307	1-126-964-11	ELECT 10uF 20% 50V	
C308	1-126-964-11	ELECT 10uF 20% 50V	
C309	1-162-291-31	CERAMIC 560PF 10% 50V	
C310	1-126-962-11	ELECT 3.3uF 20% 50V	
C311	1-126-961-11	ELECT 2.2uF 20% 50V	
C312	1-126-934-11	ELECT 220uF 20% 16V	
C313	1-126-934-11	ELECT 220uF 20% 16V	
C314	1-136-165-00	FILM 0.1uF 5% 50V	
C316	1-124-252-00	ELECT 0.33uF 20% 50V	
C317	1-126-933-11	ELECT 100uF 20% 16V	
C318	1-137-363-91	FILM 680PF 5% 50V	
C322	1-126-962-11	ELECT 3.3uF 20% 50V	
C323	1-136-173-00	FILM 0.47uF 5% 50V	
C324	1-126-967-11	ELECT 47uF 20% 16V	
C325	1-136-165-00	FILM 0.1uF 5% 50V	

Ref. No.	Part No.	Description			Remarks
C326	1-136-165-00	FILM	0.1uF	5%	50V
C327	1-126-959-11	ELECT	0.47uF	20%	50V
C328	1-126-963-11	ELECT	4.7uF	20%	50V
C329	1-126-959-11	ELECT	0.47uF	20%	50V
C330	1-126-963-11	ELECT	4.7uF	20%	50V
C331	1-124-250-11	ELECT	0.15uF	20%	50V
C332	1-126-962-11	ELECT	3.3uF	20%	50V
C333	1-124-250-11	ELECT	0.15uF	20%	50V
C334	1-137-372-11	FILM	0.022uF	5%	50V
C335	1-136-161-00	FILM	0.047uF	5%	50V
C336	1-126-934-11	ELECT	220uF	20%	16V
C337	1-126-964-11	ELECT	10uF	20%	50V
C338	1-126-964-11	ELECT	10uF	20%	50V
C339	1-126-964-11	ELECT	10uF	20%	50V
C340	1-126-964-11	ELECT	10uF	20%	50V
C341	1-126-934-11	ELECT	220uF	20%	16V
C342	1-126-962-11	ELECT	3.3uF	20%	50V
C343	1-126-962-11	ELECT	3.3uF	20%	50V
C344	1-136-165-00	FILM	0.1uF	5%	50V
C345	1-136-165-00	FILM	0.1uF	5%	50V
C346	1-126-959-11	ELECT	0.47uF	20%	50V
C347	1-126-963-11	ELECT	4.7uF	20%	50V
C348	1-126-959-11	ELECT	0.47uF	20%	50V
C349	1-126-963-11	ELECT	4.7uF	20%	50V
C350	1-124-250-11	ELECT	0.15uF	20%	50V
C351	1-126-962-11	ELECT	3.3uF	20%	50V
C352	1-124-250-11	ELECT	0.15uF	20%	50V
C353	1-164-159-11	CERAMIC	0.1uF		50V
C354	1-164-159-11	CERAMIC	0.1uF		50V
C355	1-164-159-11	CERAMIC	0.1uF		50V
C356	1-164-159-11	CERAMIC	0.1uF		50V
C357	1-164-159-11	CERAMIC	0.1uF		50V
C359	1-126-963-11	ELECT	4.7uF	20%	50V
C360	1-126-963-11	ELECT	4.7uF	20%	50V
C363	1-164-159-11	CERAMIC	0.1uF		50V
C365	1-126-966-11	ELECT	33uF	20%	16V
C366	1-164-159-11	CERAMIC	0.1uF		50V
C401	1-162-282-31	CERAMIC	100PF	10%	50V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C402	1-126-962-11	ELECT	3.3uF	20%	50V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C403	1-126-966-11	ELECT	33uF	20%	16V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C404	1-162-282-31	CERAMIC	100PF	10%	50V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C405	1-137-459-11	FILM	0.0056uF	5%	100V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C406	1-164-159-11	CERAMIC	0.1uF		50V
C407	1-137-365-11	FILM	0.0015uF	5%	50V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C408	1-162-294-31	CERAMIC	0.001uF	10%	50V
C409	1-126-962-11	ELECT	3.3uF	20%	50V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C410	1-164-159-11	CERAMIC	0.1uF		50V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C412	1-162-291-31	CERAMIC	560PF	10%	50V
C413	1-164-159-11	CERAMIC	0.1uF		50V
C415	1-164-159-11	CERAMIC	0.1uF		50V

Ref. No.	Part No.	Description			Remarks
C416	1-164-159-11	CERAMIC	0.1uF		50V
C434	1-162-286-31	CERAMIC	220PF	10%	50V
C435	1-162-286-31	CERAMIC	220PF	10%	50V
C451	1-162-282-31	CERAMIC	100PF	10%	50V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C452	1-126-962-11	ELECT	3.3uF	20%	50V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C453	1-126-966-11	ELECT	33uF	20%	16V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C454	1-162-282-31	CERAMIC	100PF	10%	50V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C455	1-137-459-11	FILM	0.0056uF	5%	100V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C457	1-137-365-11	FILM	0.0015uF	5%	50V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C459	1-126-962-11	ELECT	3.3uF	20%	50V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C460	1-164-159-11	CERAMIC	0.1uF		50V
			(D360Z/DE315:E,SP,MY,AUS,CH/DE415)		
C602	1-162-288-31	CERAMIC	330PF	10%	50V
C603	1-126-933-11	ELECT	100uF	20%	10V
C605	1-102-233-00	CERAMIC	33PF	10%	500V
C610	1-126-967-11	ELECT	47uF	20%	16V
C611	1-137-372-11	FILM	0.022uF	5%	50V
C620	1-162-286-31	CERAMIC	220PF	10%	50V
C652	1-162-282-31	CERAMIC	100PF	10%	50V
C653	1-126-933-11	ELECT	100uF	20%	10V
C655	1-102-233-00	CERAMIC	33PF	10%	500V
C660	1-126-967-11	ELECT	47uF	20%	16V
C661	1-137-372-11	FILM	0.022uF	5%	50V
C670	1-162-286-31	CERAMIC	220PF	10%	50V
C702	1-162-282-31	CERAMIC	100PF	10%	50V
C703	1-126-933-11	ELECT	100uF	20%	10V
C705	1-102-233-00	CERAMIC	33PF	10%	500V
C710	1-126-967-11	ELECT	47uF	20%	16V
C711	1-137-372-11	FILM	0.022uF	5%	50V
C720	1-162-286-31	CERAMIC	220PF	10%	50V
C721	1-126-923-11	ELECT	220uF	20%	10V
C722	1-126-965-11	ELECT	22uF	20%	50V
C740	1-128-562-11	ELECT	47uF	20%	100V
C741	1-128-562-11	ELECT	47uF	20%	100V
C742	1-126-925-11	ELECT	470uF	20%	10V
C743	1-126-925-11	ELECT	470uF	20%	10V
C752	1-162-282-31	CERAMIC	100PF	10%	50V
C753	1-126-933-11	ELECT	100uF	20%	10V
C755	1-102-233-00	CERAMIC	33PF	10%	500V
C760	1-126-967-11	ELECT	47uF	20%	16V
C761	1-137-372-11	FILM	0.022uF	5%	50V
C770	1-162-286-31	CERAMIC	220PF	10%	50V
C801	1-104-664-11	ELECT	47uF	20%	25V
C802	1-104-664-11	ELECT	47uF	20%	25V
C803	1-107-766-11	ELECT	8200uF	20%	71V
			(D360Z:CND/DE315:US/DE415:CND,AUS)		
C803	1-128-591-11	ELECT	6800uF	20%	56V
			(DE315:CND,E,SP,MY,AUS,CH)		
C803	1-109-932-11	ELECT	10000uF	20%	71V
			(D360Z:US/DE415:US)		
C804	1-107-766-11	ELECT	8200uF	20%	71V
			(D360Z:CND/DE315:US/DE415:CND,AUS)		
C804	1-128-591-11	ELECT	6800uF	20%	56V
			(DE315:CND,E,SP,MY,AUS,CH)		
C804	1-109-932-11	ELECT	10000uF	20%	71V
			(D360Z:US/DE415:US)		

MAIN

Ref. No.	Part No.	Description	Remarks
C805	1-130-781-00	FILM 0.22uF 10% 100V (DE315:AUS/DE415:AUS)	
C805	1-137-420-11	FILM 0.047uF 10% 100V (D360Z/DE315:US,CND,E,SP,MY,CH/DE415:US,CND)	
C806	1-130-781-00	FILM 0.22uF 10% 100V (DE315:AUS/DE415:AUS)	
C806	1-137-420-11	FILM 0.047uF 10% 100V (D360Z/DE315:US,CND,E,SP,MY,CH/DE415:US,CND)	
C807	1-104-664-11	ELECT 47uF 20% 25V	
C808	1-104-664-11	ELECT 47uF 20% 25V	
C809	1-126-960-11	ELECT 1uF 20% 50V	
C810	1-126-960-11	ELECT 1uF 20% 50V	
C811	1-126-942-61	ELECT 1000uF 20% 25V	
C812	1-126-942-61	ELECT 1000uF 20% 25V	
C813	1-101-001-00	CERAMIC 0.001uF 50V	
C814	1-101-001-00	CERAMIC 0.001uF 50V	
C820	1-161-494-00	CERAMIC 0.022uF 25V	
C821	1-161-494-00	CERAMIC 0.022uF 25V	
C822	1-104-664-11	ELECT 47uF 20% 25V	
C823	1-104-664-11	ELECT 47uF 20% 25V	
C950	1-126-767-11	ELECT 1000uF 20% 16V	
C951	1-164-097-11	CERAMIC 0.022uF 50V	
C952	1-126-960-11	ELECT 1uF 20% 50V	
C953	1-124-464-11	ELECT 0.22uF 20% 50V	
C954	1-126-096-11	ELECT 10uF 20% 35V	
C955	1-164-159-11	CERAMIC 0.1uF 50V	
		< CONNECTOR >	
CNP702	1-750-388-11	PIN, CONNECTOR 5P	
CNS204	1-569-327-11	SOCKET, CONNECTOR 27P (DE315:SP,MY,CH)	
CNS204	1-568-742-11	SOCKET, CONNECTOR 23P (D360Z/DE315:US,CND,E,AUS/DE415)	
CNS251	1-568-439-11	SOCKET, CONNECTOR 7P	
CNS301	1-568-442-11	SOCKET, CONNECTOR 9P	
CNS701	1-568-439-11	SOCKET, CONNECTOR 7P	
CNS802	1-770-480-12	SOCKET, CONNECTOR PIN 4P	
		< DIODE >	
D610	8-719-987-63	DIODE 1N4148M	
D710	8-719-987-63	DIODE 1N4148M	
D721	8-719-815-85	DIODE 1S1585	
D722	8-719-815-85	DIODE 1S1585	
D723	8-719-987-63	DIODE 1N4148M	
D724	8-719-987-63	DIODE 1N4148M	
D725	8-719-987-63	DIODE 1N4148M	
D801	8-719-002-33	DIODE UZL-24L	
D802	8-719-302-38	DIODE RBV-602-01	
D804	8-719-010-38	DIODE UZ-5.1BSB	
D810	8-719-024-99	DIODE 11ES2-NTA2B	
D811	8-719-024-99	DIODE 11ES2-NTA2B	
D812	8-719-024-99	DIODE 11ES2-NTA2B	
D813	8-719-024-99	DIODE 11ES2-NTA2B	
D814	8-719-987-63	DIODE 1N4148M	
D815	8-719-987-63	DIODE 1N4148M	
D817	8-719-001-30	DIODE UZL-9H3	
D818	8-719-987-63	DIODE 1N4148M	
D820	8-719-024-99	DIODE 11ES2-NTA2B	
D821	8-719-024-99	DIODE 11ES2-NTA2B	
D822	8-719-024-99	DIODE 11ES2-NTA2B	
D823	8-719-024-99	DIODE 11ES2-NTA2B	
D901	8-719-987-63	DIODE 1N4148M	

Ref. No.	Part No.	Description	Remarks
		< TERMINAL >	
* G200	1-537-738-21	TERMINAL, EARTH	
* G201	1-537-738-21	TERMINAL, EARTH	
* G202	1-537-738-21	TERMINAL, EARTH	
		< IC >	
IC300	8-759-442-97	IC LV1016	
IC301	8-759-442-96	IC LA2786	
IC302	8-759-636-74	IC M5218AP-22	
IC401	8-759-805-14	IC LC7822	
IC402	8-759-636-74	IC M5218AP-22 (D360Z/DE315:CND,E,SP,MY,AUS,CH/DE415)	
IC701	8-759-326-52	IC uPC2581V	
IC702	8-759-326-52	IC uPC2581V	
IC801	8-759-231-58	IC TA7812S	
IC802	8-759-604-45	IC M5F79M12	
IC950	8-759-333-83	IC NJM2103D	
		< JACK >	
J401	1-770-614-11	JACK,PIN 4P (PHONO/CD) (D360Z/DE315:E,SP,MY,AUS,CH/DE415)	
J402	1-580-825-11	JACK,PIN 6P (TAPE/MD,TV DBS AUDIO IN) (D360Z/DE315:E,SP,MY,AUS,CH/DE415)	
J402	1-691-887-11	JACK,PIN 6P (CD/TAPE/MD)(DE315:US,CND)	
J403	1-691-887-11	JACK,PIN 6P (TV/DBS/VIDEO)(DE315:US,CND)	
J403	1-770-613-11	JACK,PIN 4P (VIDEO) (D360Z/DE315:E,SP,MY,AUS,CH/DE415)	
		< COIL >	
L301	1-410-509-11	INDUCTOR 10uH	
L302	1-410-509-11	INDUCTOR 10uH	
L601	1-420-872-00	COIL, AIR-CORE	
L651	1-420-872-00	COIL, AIR-CORE	
L701	1-420-872-00	COIL, AIR-CORE	
L751	1-420-872-00	COIL, AIR-CORE	
		< TRANSISTOR >	
Q303	8-729-922-37	TRANSISTOR 2SD2144S	
Q304	8-729-922-37	TRANSISTOR 2SD2144S	
Q307	8-729-922-37	TRANSISTOR 2SD2144S	
Q308	8-729-922-37	TRANSISTOR 2SD2144S	
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q603	8-749-010-25	IC MN2488-OPY-M	
Q604	8-749-010-26	IC MP1620-OPY-M	
Q610	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q620	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q653	8-749-010-25	IC MN2488-OPY-M	
Q654	8-749-010-26	IC MP1620-OPY-M	
Q670	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q703	8-749-010-25	IC MN2488-OPY-M	
Q704	8-749-010-26	IC MP1620-OPY-M	
Q710	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q720	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q721	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q722	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q723	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE	

Ref. No.	Part No.	Description			Remarks
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q753	8-749-010-25	IC MN2488-OPY-M			
Q754	8-749-010-26	IC MP1620-OPY-M			
Q770	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q801	8-729-140-97	TRANSISTOR 2SB734-34			
Q802	8-729-119-78	TRANSISTOR 2SC403SP-51			
Q808	8-729-180-92	TRANSISTOR 2SD809-K			
Q809	8-729-119-78	TRANSISTOR 2SC403SP-51			
Q951	8-729-030-18	TRANSISTOR 2SD2525			
		< RESISTOR >			
R298	1-249-385-11	CARBON	2.2	5%	1/6W F (DE415:US)
R298	1-249-389-11	CARBON	4.7	5%	1/4W F (DE415:CND)
R299	1-249-385-11	CARBON	2.2	5%	1/6W F (DE415:US)
R299	1-249-389-11	CARBON	4.7	5%	1/4W F (DE415:CND)
R300	1-247-903-00	CARBON	1M	5%	1/4W
R301	1-249-421-11	CARBON	2.2K	5%	1/4W F
R302	1-249-421-11	CARBON	2.2K	5%	1/4W F
R303	1-249-439-11	CARBON	68K	5%	1/4W
R304	1-249-441-11	CARBON	100K	5%	1/4W
R306	1-249-436-11	CARBON	39K	5%	1/4W
R307	1-247-862-11	CARBON	20K	5%	1/4W
R308	1-249-421-11	CARBON	2.2K	5%	1/4W F
R309	1-249-421-11	CARBON	2.2K	5%	1/4W F
R352	1-249-441-11	CARBON	100K	5%	1/4W
R353	1-249-425-11	CARBON	4.7K	5%	1/4W F
R354	1-249-425-11	CARBON	4.7K	5%	1/4W F
R355	1-249-425-11	CARBON	4.7K	5%	1/4W F
R356	1-249-425-11	CARBON	4.7K	5%	1/4W F
R357	1-249-441-11	CARBON	100K	5%	1/4W
R358	1-249-441-11	CARBON	100K	5%	1/4W
R359	1-249-425-11	CARBON	4.7K	5%	1/4W F
R360	1-249-425-11	CARBON	4.7K	5%	1/4W F (D360Z:CND/DE415:AUS)
R360	1-247-843-11	CARBON	3.3K	5%	1/4W (D360Z:US/DE315/DE415:US,CND)
R361	1-249-429-11	CARBON	10K	5%	1/4W
R362	1-249-429-11	CARBON	10K	5%	1/4W
R363	1-249-411-11	CARBON	330	5%	1/4W
R401	1-249-411-11	CARBON	330	5%	1/4W (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R402	1-249-421-11	CARBON	2.2K	5%	1/4W F
R403	1-249-417-11	CARBON	1K	5%	1/4W F
R404	1-249-417-11	CARBON	1K	5%	1/4W F
R405	1-249-417-11	CARBON	1K	5%	1/4W F
R406	1-249-417-11	CARBON	1K	5%	1/4W F
R407	1-249-417-11	CARBON	1K	5%	1/4W F
R408	1-249-429-11	CARBON	10K	5%	1/4W
R409	1-249-437-11	CARBON	47K	5%	1/4W (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R410	1-247-897-11	CARBON	560K	5%	1/4W (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R411	1-249-416-11	CARBON	820	5%	1/4W F (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R412	1-247-897-11	CARBON	560K	5%	1/4W (D360Z/DE315:E,SP,MY,AUS,CH/DE415)

Ref. No.	Part No.	Description			Remarks
R413	1-249-437-11	CARBON	47K	5%	1/4W (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R414	1-249-425-11	CARBON	4.7K	5%	1/4W F
R415	1-249-417-11	CARBON	1K	5%	1/4W F
R416	1-249-417-11	CARBON	1K	5%	1/4W F (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R417	1-247-897-11	CARBON	560K	5%	1/4W (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R420	1-249-441-11	CARBON	100K	5%	1/4W
R435	1-249-418-11	CARBON	1.2K	5%	1/4W F
R442	1-249-418-11	CARBON	1.2K	5%	1/4W F
R443	1-249-418-11	CARBON	1.2K	5%	1/4W F
R447	1-249-416-11	CARBON	820	5%	1/4W F
R448	1-249-429-11	CARBON	10K	5%	1/4W
R449	1-249-433-11	CARBON	22K	5%	1/4W
R451	1-249-411-11	CARBON	330	5%	1/4W (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R452	1-249-421-11	CARBON	2.2K	5%	1/4W F
R453	1-249-417-11	CARBON	1K	5%	1/4W F
R454	1-249-417-11	CARBON	1K	5%	1/4W F
R455	1-249-417-11	CARBON	1K	5%	1/4W F
R456	1-249-417-11	CARBON	1K	5%	1/4W F
R457	1-249-417-11	CARBON	1K	5%	1/4W F
R458	1-249-429-11	CARBON	10K	5%	1/4W
R459	1-249-437-11	CARBON	47K	5%	1/4W (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R460	1-247-897-11	CARBON	560K	5%	1/4W (D360Z/DE315:SP,MY,AUS,CH/DE415)
R461	1-249-416-11	CARBON	820	5%	1/4W F (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R462	1-247-897-11	CARBON	560K	5%	1/4W (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R463	1-249-437-11	CARBON	47K	5%	1/4W (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R465	1-249-417-11	CARBON	1K	5%	1/4W F
R466	1-249-417-11	CARBON	1K	5%	1/4W F (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R467	1-247-897-11	CARBON	560K	5%	1/4W (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R470	1-249-441-11	CARBON	100K	5%	1/4W
R601	1-249-417-11	CARBON	1K	5%	1/4W F
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-249-413-11	CARBON	470	5%	1/4W F (DE315:US,CND)
R603	1-249-412-11	CARBON	390	5%	1/4W F (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R604	1-249-439-11	CARBON	68K	5%	1/4W
R605	1-249-441-11	CARBON	100K	5%	1/4W
R610	1-249-421-11	CARBON	2.2K	5%	1/4W F
R611	1-249-437-11	CARBON	47K	5%	1/4W
R613	1-249-414-11	CARBON	560	5%	1/4W F
⚠R614	1-249-409-11	CARBON	220	5%	1/4W F (DE315:SP,MY,CH)
⚠R614	1-249-408-11	CARBON	180	5%	1/4W F (D360Z/DE315:US,CND,E,AUS/DE415)
⚠R615	1-249-409-11	CARBON	220	5%	1/4W F (DE315:SP,MY,CH)
⚠R615	1-249-408-11	CARBON	180	5%	1/4W F (D360Z/DE315:US,CND,E,AUS/DE415)
⚠R616	1-233-352-21	ENCAPSULATED COMPONENT			

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Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifie.

MAIN

Ref. No.	Part No.	Description			Remarks
⚠R617	1-249-393-11	CARBON	10	5%	1/4W F
R618	1-249-389-11	CARBON	4.7	5%	1/4W F
R619	1-249-405-11	CARBON	100	5%	1/4W F
R620	1-249-419-11	CARBON	1.5K	5%	1/4W F
R621	1-249-426-11	CARBON	5.6K	5%	1/4W
R622	1-249-403-11	CARBON	68	5%	1/4W F
R623	1-249-437-11	CARBON	47K	5%	1/4W
R630	1-249-426-11	CARBON	5.6K	5%	1/4W
R631	1-247-887-00	CARBON	220K	5%	1/4W (DE415)
R632	1-249-426-11	CARBON	5.6K	5%	1/4W
R651	1-249-417-11	CARBON	1K	5%	1/4W F
R652	1-249-439-11	CARBON	68K	5%	1/4W
R653	1-249-413-11	CARBON	470	5%	1/4W F (DE315:US,CND)
R653	1-249-412-11	CARBON	390	5%	1/4W F (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R654	1-249-439-11	CARBON	68K	5%	1/4W
R655	1-249-441-11	CARBON	100K	5%	1/4W
R660	1-249-421-11	CARBON	2.2K	5%	1/4W F
R661	1-249-437-11	CARBON	47K	5%	1/4W
R663	1-249-414-11	CARBON	560	5%	1/4W F
⚠R664	1-249-409-11	CARBON	220	5%	1/4W F (DE315:SP,MY,CH)
⚠R664	1-249-408-11	CARBON	180	5%	1/4W F (D360Z/DE315:US,CND,E,AUS/DE415)
⚠R665	1-249-409-11	CARBON	220	5%	1/4W F (DE315:SP,MY,CH)
⚠R665	1-249-408-11	CARBON	180	5%	1/4W F (D360Z/DE315:US,CND,E,AUS/DE415)
⚠R666	1-233-352-21	ENCAPSULATED COMPONENT			
⚠R667	1-249-393-11	CARBON	10	5%	1/4W F
R668	1-249-389-11	CARBON	4.7	5%	1/4W F
R670	1-249-419-11	CARBON	1.5K	5%	1/4W F
R671	1-249-426-11	CARBON	5.6K	5%	1/4W
R673	1-249-437-11	CARBON	47K	5%	1/4W
R701	1-249-417-11	CARBON	1K	5%	1/4W F
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-249-413-11	CARBON	470	5%	1/4W F (DE315:US,CND)
R703	1-249-412-11	CARBON	390	5%	1/4W F (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R704	1-249-439-11	CARBON	68K	5%	1/4W
R705	1-249-441-11	CARBON	100K	5%	1/4W
R710	1-249-421-11	CARBON	2.2K	5%	1/4W F
R711	1-249-437-11	CARBON	47K	5%	1/4W
R713	1-249-414-11	CARBON	560	5%	1/4W F
⚠R714	1-249-409-11	CARBON	220	5%	1/4W F (DE315:SP,MY,CH)
⚠R714	1-249-408-11	CARBON	180	5%	1/4W F (D360Z/DE315:US,CND,E,AUS/DE415)
⚠R715	1-249-409-11	CARBON	220	5%	1/4W F (DE315:SP,MY,CH)
⚠R715	1-249-408-11	CARBON	180	5%	1/4W F (D360Z/DE315:US,CND,E,AUS/DE415)
⚠R716	1-233-352-21	ENCAPSULATED COMPONENT			
⚠R717	1-249-393-11	CARBON	10	5%	1/4W F
R718	1-249-389-11	CARBON	4.7	5%	1/4W F
⚠R719	1-249-405-11	CARBON	100	5%	1/4W F
R720	1-249-419-11	CARBON	1.5K	5%	1/4W F
R721	1-249-426-11	CARBON	5.6K	5%	1/4W
⚠R722	1-249-403-11	CARBON	68	5%	1/4W F
R723	1-249-437-11	CARBON	47K	5%	1/4W

Ref. No.	Part No.	Description			Remarks
R724	1-249-429-11	CARBON	10K	5%	1/4W
R725	1-249-429-11	CARBON	10K	5%	1/4W
R726	1-249-417-11	CARBON	1K	5%	1/4W F
R727	1-249-427-11	CARBON	6.8K	5%	1/4W F
R730	1-249-429-11	CARBON	10K	5%	1/4W
R731	1-247-887-00	CARBON	220K	5%	1/4W (DE415)
R734	1-249-429-11	CARBON	10K	5%	1/4W (D360Z:CND/DE415)
⚠R740	1-249-393-11	CARBON	10	5%	1/4W F
⚠R741	1-249-393-11	CARBON	10	5%	1/4W F
R742	1-249-425-11	CARBON	4.7K	5%	1/4W F
R743	1-249-425-11	CARBON	4.7K	5%	1/4W F
R751	1-249-417-11	CARBON	1K	5%	1/4W F
R752	1-249-439-11	CARBON	68K	5%	1/4W
R753	1-249-413-11	CARBON	470	5%	1/4W F (DE315:US,CND)
R753	1-249-412-11	CARBON	390	5%	1/4W F (D360Z/DE315:E,SP,MY,AUS,CH/DE415)
R754	1-249-439-11	CARBON	68K	5%	1/4W
R755	1-249-441-11	CARBON	100K	5%	1/4W
R760	1-247-897-11	CARBON	560K	5%	1/4W (DE315:E)
R760	1-249-421-11	CARBON	2.2K	5%	1/4W F
R761	1-249-437-11	CARBON	47K	5%	1/4W
R763	1-249-414-11	CARBON	560	5%	1/4W F
⚠R764	1-249-409-11	CARBON	220	5%	1/4W F (DE315:SP,MY,CH)
⚠R764	1-249-408-11	CARBON	180	5%	1/4W F (D360Z/DE315:US,CND,E,AUS/DE415)
⚠R765	1-249-409-11	CARBON	220	5%	1/4W F (DE315:SP,MY,CH)
⚠R765	1-249-408-11	CARBON	180	5%	1/4W F (D360Z/DE315:US,CND,E,AUS/DE415)
⚠R766	1-233-352-21	ENCAPSULATED COMPONENT			
⚠R767	1-249-393-11	CARBON	10	5%	1/4W F
R768	1-249-389-11	CARBON	4.7	5%	1/4W F
R770	1-249-419-11	CARBON	1.5K	5%	1/4W F
R771	1-249-426-11	CARBON	5.6K	5%	1/4W
R773	1-249-437-11	CARBON	47K	5%	1/4W
R781	1-247-887-00	CARBON	220K	5%	1/4W (DE415)
⚠R803	1-249-389-11	CARBON	4.7	5%	1/4W F (DE315:SP,MY,CH)
⚠R803	1-247-739-11	CARBON	100	5%	1/2W F (D360Z/DE315:US,CND,E,AUS/DE415)
R804	1-249-421-11	CARBON	2.2K	5%	1/4W F (DE315:SP,MY,CH)
R804	1-249-425-11	CARBON	4.7K	5%	1/4W F (D360Z/DE315:US,CND,E,AUS/DE415)
R821	1-249-437-11	CARBON	47K	5%	1/4W
R822	1-249-425-11	CARBON	4.7K	5%	1/4W F
R823	1-249-437-11	CARBON	47K	5%	1/4W
R824	1-249-425-11	CARBON	4.7K	5%	1/4W F
R825	1-249-407-11	CARBON	150	5%	1/4W F

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Ref. No.	Part No.	Description	Remarks
⚠R830	1-249-402-11	CARBON 56 5% 1/4W F	(D360Z:CND/DE315:CND/DE415:CND)
⚠R830	1-249-405-11	CARBON 100 5% 1/4W F	(D360Z:US/DE315:US,E,SP,MY,AUS,CH/DE415:US,AUS)
⚠R831	1-249-402-11	CARBON 56 5% 1/4W F	(D360Z:CND/DE315:CND/DE415:CND)
⚠R831	1-249-403-11	CARBON 68 5% 1/4W F	(D360Z:US/DE315:US,E,SP,MY,AUS,CH/DE415:US,AUS)
R950	1-249-421-11	CARBON 2.2K 5% 1/4W F	
R951	1-249-429-11	CARBON 10K 5% 1/4W	
R952	1-247-843-11	CARBON 3.3K 5% 1/4W	
R953	1-249-433-11	CARBON 22K 5% 1/4W	
R954	1-249-439-11	CARBON 68K 5% 1/4W	
R955	1-249-429-11	CARBON 10K 5% 1/4W	
R956	1-247-843-11	CARBON 3.3K 5% 1/4W	
R957	1-249-417-11	CARBON 1K 5% 1/4W F	
R958	1-249-401-11	CARBON 47 5% 1/4W F	(D360Z/DE415)
R960	1-249-429-11	CARBON 10K 5% 1/4W	
R961	1-249-401-11	CARBON 47 5% 1/4W F	(DE315)
		< RELAY >	
RY601	1-515-921-11	RELAY (12V)	
RY701	1-515-921-11	RELAY (12V)	
RY801	1-755-013-11	RELAY	(D360Z:US/DE315:US,E,SP,MY,AUS,CH/DE415:US,AUS)
RY851	1-755-209-11	RELAY (D360Z:CND/DE315:CND/DE415:CND)	
RY852	1-755-209-11	RELAY (D360Z:CND/DE315:CND/DE415:CND)	
		< TERMINAL >	
TM1	1-537-714-11	TERMINAL BOARD (ANTENNA)	(DE315:E,SP,MY,AUS,CH/DE415:AUS)
TM1	1-537-240-51	TERMINAL BOARD (ANTENNA)	(D360Z/DE315:US,CND/DE415:US,CND)
TM601	1-537-510-11	TERMINAL BOARD (6P)(SURROUND SPEAKER)	
TM701	1-537-376-11	TERMINAL BOARD (FRONT SPEAKERS)	
		< TUNER >	
TU001	1-233-594-11	ENCAPSULATED COMPONENT	(DE315:E,SP,MY,AUS,CH/DE415:AUS)
TU001	1-233-593-11	ENCAPSULATED COMPONENT	(D360Z/DE315:US,CND/DE415:US,CND)
		< VIBRATOR >	
X301	1-579-952-21	VIBRATOR, CERAMIC 8MHz	
**********			
*	1-665-273-11	PRIMARY BOARD	
		**********	
		(D360Z/DE315:US,CND,SP,MY,AUS,CH/DE415)	
	1-533-233-21	HOLDER, FUSE	
		< FUSE >	
⚠F901	1-532-388-51	FUSE (T2AL/250V)	(DE315:SP,MY,AUS,CH/DE415:AUS)
⚠F901	1-576-109-11	FUSE (5A/250)	(D360Z/DE315:US,CND/DE415:US,CND)
**********			

Ref. No.	Part No.	Description	Remarks
*	1-665-274-11	SECONDARY BOARD	
		**********	
	1-533-233-21	HOLDER, FUSE	
		< CONNECTOR >	
CNP801	1-764-480-11	PIN, CONNECTOR (PC BOARD) 11P	
		< RESISTOR >	
⚠R810	1-249-381-11	CARBON 1 5% 1/4W F	(EXCEPT CND)
⚠R810	1-219-124-11	FUSE RESISTOR 0.68 1/4W	(CND)
⚠R811	1-249-381-11	CARBON 1 5% 1/4W F	(EXCEPT CND)
⚠R811	1-219-124-11	FUSE RESISTOR 0.68 5% 1/4W	(CND)
**********			
*	1-665-275-11	SELECTOR BOARD (DE315:E)	
		**********	
	1-533-233-21	HOLDER, FUSE	
		< CONNECTOR >	
* CNP907	1-565-395-11	PIN, CONNECTOR 3P	
CNP908	1-564-321-00	PIN, CONNECTOR 2P	
* CNP910	1-564-687-11	PIN, CONNECTOR 3P	
		< FUSE >	
⚠F904	1-532-388-51	FUSE (T2AL/250V)	
		< SWITCH >	
⚠S901	1-571-437-11	SWITCH, POWER (VOLTAGE SELECTOR)	
**********			
*	1-665-272-11	STBY BOARD	
		**********	
		< CONNECTOR >	
CN902	1-564-321-00	PIN, CONNECTOR 2P (DE315:E)	
		< JACK >	
⚠CNJ902	1-540-057-11	OUTLET, AC (POLAR)	(D360Z/DE315:US,CND,E/DE415:US,CND)
⚠CNJ902	1-526-794-11	OUTLET, A.C.(DE315:SP,MY,CH)	
		< CONNECTOR >	
CNP802	1-779-495-11	PLUG, CONNECTOR PIN 4P	
CNP901	1-564-321-00	PIN, CONNECTOR 2P	
CNP903	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P	(DE315:SP,MY,AUS,CH/DE415:AUS)
CNP905	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P (DE315:E)	
* CNP906	1-564-687-11	PIN, CONNECTOR 3P (DE315:E)	
		< DIODE >	
D816	8-719-987-63	DIODE 1N4148M	

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STBY SW VIDEO VR TONE

Ref. No.	Part No.	Description			Remarks
		< FUSE >			
⚠F902	1-532-464-51	FUSE (DE315:SP,MY,CH)			
		< TERMINAL >			
* G900	1-537-738-21	TERMINAL, EARTH			
		< RESISTOR >			
⚠R901	1-202-725-00	SOLID	3.3M	10% 1/2W (D360Z/DE315:US,CND/DE415:US,CND)	
		< RELAY >			
⚠RY901	1-515-720-11	RELAY			
		< TRANSFORMER >			
⚠T902	1-450-361-11	TRANSFORMER, POWER (D360Z/DE315:US,CND/DE415:US,CND)			
⚠T902	1-450-358-11	TRANSFORMER, POWER (DE315:E,SP,MY,AUS,CH/DE415:AUS)			
**********					
*	A-4392-789-A	SW BOARD, COMPLETE ********** (Including SW(A) /SW(B) BOARD)			
		< CONNECTOR >			
CNP703	1-764-474-11	PIN, CONNECTOR (PC BOARD) 5P			
CNP704	1-764-473-11	PIN, CONNECTOR (PC BOARD) 3P			
CNS702	1-770-378-11	CONNECTOR, BOARD TO BOARD 5P			
		< JACK >			
J741	1-750-733-11	JACK (LARGE TYPE)(PHONES)			
		< RESISTOR >			
R741	1-247-753-11	CARBON	1.2K	5% 1/2W	
R742	1-247-753-11	CARBON	1.2K	5% 1/2W	
R791	1-247-753-11	CARBON	1.2K	5% 1/2W	
R792	1-247-753-11	CARBON	1.2K	5% 1/2W	
		< SWITCH >			
S701	1-762-319-11	SWITCH, PUSH (2 KEY)(SPEAKERS)			
**********					
*	1-665-271-11	VIDEO BOARD (D360Z/DE415) **********			
*	4-921-941-01	CUSHION (FL)			
*	4-943-107-11	HOLDER (FL TUBE)			
		< CAPACITOR >			
C250	1-126-960-11	ELECT	1uF	20% 50V	
C251	1-126-960-11	ELECT	1uF	20% 50V	
C252	1-164-159-11	CERAMIC	0.1uF	50V	
C253	1-104-664-11	ELECT	47uF	20% 25V	
C254	1-164-159-11	CERAMIC	0.1uF	50V	
C255	1-126-924-11	ELECT	330uF	20% 10V	
C256	1-162-215-31	CERAMIC	47PF	5% 50V	
C257	1-162-215-31	CERAMIC	47PF	5% 50V	
		< CONNECTOR >			
CNS250	1-568-439-11	SOCKET, CONNECTOR 7P			

Ref. No.	Part No.	Description			Remarks
		< DIODE >			
D224	8-719-987-63	DIODE 1N4148M			
		< IC >			
IC251	8-759-333-84	IC NJM2279D			
		< JACK >			
J251	1-695-317-21	JACK, PIN 2P (VIEO/TV DBS)			
J252	1-695-317-21	JACK, PIN 2P (VIEDO/MONITOR)			
J253	1-774-843-11	JACK, PIN 1P (WOOFER)(DE415)			
		< RESISTOR >			
R251	1-247-804-11	CARBON	75	5% 1/4W	
R252	1-247-804-11	CARBON	75	5% 1/4W	
R253	1-247-804-11	CARBON	75	5% 1/4W	
R254	1-247-804-11	CARBON	75	5% 1/4W	
R255	1-249-429-11	CARBON	10K	5% 1/4W	
R256	1-249-429-11	CARBON	10K	5% 1/4W	
R257	1-249-411-11	CARBON	330	5% 1/4W	
**********					
*	A-4392-788-A	VR TONE BOARD, COMPLETE ********** (Including VOLUME BOARD)			
		< CAPACITOR >			
C420	1-162-207-31	CERAMIC	22PF	5% 50V	
C421	1-137-440-11	FILM	0.018uF	5% 50V	
C422	1-124-463-00	ELECT	0.1uF	20% 50V	
C423	1-137-368-11	FILM	0.0047uF	5% 50V	
C424	1-137-372-11	FILM	0.022uF	5% 50V	
C425	1-126-096-11	ELECT	10uF	20% 35V	
C426	1-126-096-11	ELECT	10uF	20% 35V	
C427	1-124-252-00	ELECT	0.33uF	20% 50V	
C428	1-130-489-00	MYLAR	0.033uF	5% 50V	
C429	1-102-973-00	CERAMIC	100PF	5% 50V	
C430	1-126-301-11	ELECT	1uF	20% 50V	
C431	1-126-301-11	ELECT	1uF	20% 50V	
C432	1-126-096-11	ELECT	10uF	20% 35V	
C433	1-126-096-11	ELECT	10uF	20% 35V	
C470	1-162-207-31	CERAMIC	22PF	5% 50V	
C471	1-137-440-11	FILM	0.018uF	5% 50V	
C472	1-124-463-00	ELECT	0.1uF	20% 50V	
C473	1-137-368-11	FILM	0.0047uF	5% 50V	
C474	1-137-372-11	FILM	0.022uF	5% 50V	
C475	1-126-096-11	ELECT	10uF	20% 35V	
C476	1-126-096-11	ELECT	10uF	20% 35V	
C477	1-124-252-00	ELECT	0.33uF	20% 50V	
C478	1-130-489-00	MYLAR	0.033uF	5% 50V	
C479	1-102-973-00	CERAMIC	100PF	5% 50V	
C492	1-124-464-11	ELECT	0.22uF	20% 50V	
C601	1-126-163-11	ELECT	4.7uF	20% 50V	
C651	1-126-163-11	ELECT	4.7uF	20% 50V	
C701	1-126-163-11	ELECT	4.7uF	20% 50V	
C751	1-126-163-11	ELECT	4.7uF	20% 50V	

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Ref. No.	Part No.	Description			Remarks
		< CONNECTOR >			
CNP202	1-770-391-11	PIN, CONNECTOR (PC BOARD) 7P			
CNS402	1-568-439-11	SOCKET, CONNECTOR 7P			
CNS403	1-568-442-11	SOCKET, CONNECTOR 9P			
		< DIODE >			
D238	8-719-313-50	DIODE SEL6810A-TH12 (BASS BOOST)			
D421	8-719-987-63	DIODE 1N4148M			
		< IC >			
IC404	8-759-636-74	IC M5218AP-22			
		< TRANSISTOR >			
Q401	8-729-202-67	TRANSISTOR 2SK246-GR3			
Q402	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q451	8-729-202-67	TRANSISTOR 2SK246-GR3			
Q452	8-729-141-30	TRANSISTOR 2SC3623A-LK			
		< RESISTOR >			
R420	1-249-415-11	CARBON	680	5%	1/4W F
R421	1-249-430-11	CARBON	12K	5%	1/4W
R422	1-249-422-11	CARBON	2.7K	5%	1/4W F
R423	1-247-903-00	CARBON	1M	5%	1/4W
R424	1-247-903-00	CARBON	1M	5%	1/4W
R425	1-249-429-11	CARBON	10K	5%	1/4W
R426	1-249-439-11	CARBON	68K	5%	1/4W
R427	1-249-417-11	CARBON	1K	5%	1/4W F
R430	1-249-437-11	CARBON	47K	5%	1/4W
R431	1-247-843-11	CARBON	3.3K	5%	1/4W
R432	1-247-883-00	CARBON	150K	5%	1/4W
R433	1-249-427-11	CARBON	6.8K	5%	1/4W F
R434	1-249-413-11	CARBON	470	5%	1/4W F
R438	1-249-441-11	CARBON	100K	5%	1/4W
R441	1-249-441-11	CARBON	100K	5%	1/4W
R444	1-247-903-00	CARBON	1M	5%	1/4W
R464	1-247-903-00	CARBON	1M	5%	1/4W
R469	1-247-903-00	CARBON	1M	5%	1/4W
R470	1-249-415-11	CARBON	680	5%	1/4W F
R471	1-249-430-11	CARBON	12K	5%	1/4W
R472	1-249-422-11	CARBON	2.7K	5%	1/4W F
R473	1-247-903-00	CARBON	1M	5%	1/4W
R474	1-247-903-00	CARBON	1M	5%	1/4W
R475	1-249-429-11	CARBON	10K	5%	1/4W
R476	1-249-439-11	CARBON	68K	5%	1/4W
R477	1-249-417-11	CARBON	1K	5%	1/4W F
R480	1-249-437-11	CARBON	47K	5%	1/4W
R481	1-247-843-11	CARBON	3.3K	5%	1/4W
R482	1-247-883-00	CARBON	150K	5%	1/4W
R483	1-249-427-11	CARBON	6.8K	5%	1/4W F
R484	1-249-413-11	CARBON	470	5%	1/4W F
R491	1-249-441-11	CARBON	100K	5%	1/4W
R492	1-247-903-00	CARBON	1M	5%	1/4W
R494	1-247-903-00	CARBON	1M	5%	1/4W
		< VARIABLE RESISTOR >			
RV404	1-225-229-11	RES, VAR, CARBON 100KX4 (MASTER VOLUME)			
RV421	1-223-362-11	RES, VAR, CARBON 100K/100K (BASS)			
RV422	1-223-363-11	RES, VAR, CARBON 125K/125K (TREBLE)			
RV423	1-225-447-11	RES, VAR, CARBON 100K/100K (BALANCE)			

Ref. No.	Part No.	Description	Remarks
		< SWITCH >	
S240	1-762-751-11	SWITCH, TACTILE (BASS BOOST)	
**********			
		MISCELLANEOUS	
		**********	
10	1-782-084-11	WIRE (FLAT TYPE) (23 CORE) (D360Z/DE315:US,CND,E,AUS/DE415)	
11	1-782-075-11	WIRE (FLAT TYPE) (9 CORE)	
12	1-782-074-11	WIRE (FLAT TYPE) (7 CORE)	
53	1-769-746-61	LEAD (WITH CONNECTOR) (2 CORE)(DE315:E)	
61	1-782-086-11	WIRE (FLAT TYPE) (27 CORE)(DE315:SP,MY,CH)	
⚠71	1-696-847-11	CORD, POWER (AUS)	
⚠71	1-777-070-11	CORD, POWER (US,CND)	
⚠71	1-777-071-11	CORD, POWER (E,SP,MY,CH)	
⚠72	1-569-008-21	ADAPTOR, CONVERSION 2P (E)	
⚠CNJ903	1-251-416-11	OUTLET, A.C.(AUS)	
⚠CNJ903	1-526-794-11	OUTLET, A.C.(SP,MY,CH)	
⚠T901	1-431-258-11	TRANSFORMER, POWER (DE315:US)	
⚠T901	1-431-259-11	TRANSFORMER, POWER (DE315:CND)	
⚠T901	1-431-260-11	TRANSFORMER, POWER (DE315:SP,MY,CH)	
⚠T901	1-431-261-11	TRANSFORMER, POWER (DE315:AUS)	
⚠T901	1-431-262-11	TRANSFORMER, POWER (DE315:E)	
⚠T901	1-431-263-11	TRANSFORMER, POWER (DE360Z:US/DE415:US)	
⚠T901	1-431-264-11	TRANSFORMER, POWER (D360Z:CND/DE415:CND)	
⚠T901	1-431-265-11	TRANSFORMER, POWER (DE415:AUS)	
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-475-136-11	REMOTE COMMANDER (RM-U301)	
	1-501-594-11	ANTENNA (FM)(DE315:SP,MY,AUS,CH/DE415:AUS)	
	1-501-659-11	ANTENNA (FM) (D360Z/DE315:US,CND/DE415:US)	
	1-501-721-11	ANTENNA (LOOP)	
	3-859-657-21	MANUAL, INSTRUCTION (ENGLISH) (D360Z:US/DE315:US,AUS/DE415:US,AUS)	
	3-859-657-31	MANUAL, INSTRUCTION (ENGLISH/FRENCH) (D360Z:CND/DE315:CND/DE415:CND)	
	3-859-657-61	MANUAL, INSTRUCTION (ENGLISH/FRENCH/SPANISH/CHINESE) (DE315:E,SP,MY,CH)	
	4-981-643-01	COVER, BATTERY (FOR RM-U301)	
**********			
		**********	
		HARDWARE LIST	
		**********	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-880-09	SCREW +BVTT 4X8 (S)	
#3	7-685-872-09	SCREW +BVTT 3X8 (S)	
#4	7-685-646-71	SCREW +BTP 3X8	

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9-960-893-11

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